

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 06/30/2020 09:38 AM
Cytometer Baseline: 02/04/2020 09:45 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 80996 **Expiration Date:** 04/30/2020 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124073	-1	2.11	124227	2.10
Blue	F	SSC	125000	123966	-1	2.07	124662	2.10
Blue	E	FITC	15892	15334	-4	2.91	333	21.00
Blue	D	PE	29999	29117	-3	2.12	632	14.79
Blue	B	PerCP-Cy5-5	43732	43192	-2	3.83	1155	20.60
Blue	A	PE-Cy7	30845	30657	-1	6.13	573	42.25
Red	C	APC	46112	45197	-2	2.53	1597	11.91
Red	A	APC-Cy7	30458	29866	-2	2.41	784	11.57
Violet	B	V450	7918	7628	-4	4.61	447	13.27
Violet	A	V500	32171	31263	-3	4.40	734	11.11

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16667	10.09	632	11	N/A	N/A	Pass
Blue	F	SSC	57407	1.05	572	13	N/A	N/A	Pass
Blue	E	FITC	60	67.07	547	4	0.0181	127	Pass
Blue	D	PE	134	50.47	553	5	0.1745	320	Pass
Blue	B	PerCP-Cy5-5	217	49.75	660	4	0.0089	56	Pass
Blue	A	PE-Cy7	108	105.34	703	5	0.0105	22	Pass
Red	C	APC	385	24.25	583	-1	0.0253	110	Pass
Red	A	APC-Cy7	174	27.23	554	-2	0.0060	749	Pass
Violet	B	V450	68	63.23	461	3	0.0578	3046	Pass
Violet	A	V500	108	41.18	477	3	0.0232	1876	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.48	-32.22	1.00
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.43
Red	17.67	13.60 - 20.40	N/A	N/A	29.66	30.01	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 9976

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.60

Comments